- App'licant : Noriyuki Kasahara et al. Attorney's Docket No.:06666-125001

Serial No.: 10/043,912

Filed: January 11, 2002

Amendments to the Specification:

Please replace the original paper copy of the Sequence
Listing with the substitute paper copy of the Sequence Listing
filed herewith.

Please amend paragraph beginning at page 8, line 2, as follows:

Figure 1 (A) is a schematic illustration of the structure of wild type (replication-competent) MoMLV retrovirus; LTR= long terminal repeat. (B) is a schematic representation of g1ZD-GFP and g1ZD-hygro, showing the sizes of the IRES-transgene cassettes and the site of their insertion into the wild-type MLV genome. Arrows indicate location of NheI sites used to digest DNA for Southern hybridization analysis, and wavy lines indicate regions of the vectors probed in hybridization analysis. Also shown is the sequences of g1ZD-GFP (SEQ ID NO:1) and g1ZD-hygro (SEQ ID NO:2) at locations between env gene and IRES, IRES and GFP, and GFP and 3' LTR. Bold letters indicate start or stop codons present within the junctions.

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Please amend paragraph beginning at page 10, line 17, as follows:

Figures 9A and 9B (SEQ ID NO:3) show the construction of a recombinant replication competent retrovirus of the invention targeted to prostate cancer cells.

Please amend paragraph beginning at page 75, line 7, as follows:

A fragment of the rat probasin androgen-sensitive promoter was constructed by polymerase chain reaction (PCR) amplification from genomic DNA using primers ATCCACAGTTCAGGTTCAATGGCG (SEQ ID NO:4) and CTGCTACCTTCTTTTTGAGATTCTTGTCTGTCATCATACTGG (SEQ ID NO:5). As discussed above, this is the same promoter fragment (from -426 to +28) that specifies prostate-specific oncogene expression in the probasin-SV40 T antigen transgenic mouse. A NheI-SfiI linker sequence was added to the 5' primer while an AflII site was added to the 3' end of the 3' primer. This PCR product was inserted into the pcDNA3.1+expression plasmid (Invitrogen) following a NheI-AflII digestion. The presence of the probasin insert was confirmed by restriction digest with NheI-AflII to isolated the 550 bp fragment.